

[Please amend claims 1, 6 and 16 as follows:

1. (Twice Amended) A medical probe for detecting flow of blood within a bodily passage, the probe having a distal end and comprising:

31 a transducer head that includes an ultrasonic transducer adjacent the distal end of the probe, the ultrasonic transducer adapted for generating signals in response to blood flow within said bodily passage, the transducer head including an encasing material surrounding the ultrasonic transducer;

an electrical conductor having a first end and a second end, the first end being operatively connected to the ultrasonic transducer, and the second end being connectable to an external source unit for processing flow-responsive signals; and

a shapeable portion extending proximally from adjacent the distal end, said shapeable portion being a plastically deformable cannula.

32 6. (Amended) The medical probe of claim 1, wherein the encasing material includes an epoxy material.

16. (Twice Amended) A medical probe for detecting flow of blood within a bodily passage, the probe comprising:

a transducer head that includes an ultrasonic transducer having a first operative surface;

33 an electrical conductor comprising two wires, each wire having a first end and a second end, the first ends being operatively connected to the ultrasonic transducer, and the second ends being connectable to an external source unit adapted to generate and process Doppler signals in response to blood flow within the bodily passage;

a handle portion;

an outer sheath connected to the handle portion and at least partially housing the electrical conductor, the distal portion of the outer sheath extending distally from the handle portion and at least partially comprising a shapeable portion having a distal end, the shapeable portion being plastically deformable such that it retains a deformed shape as the probe is manipulated within the bodily passage; the transducer head being affixed about the distal end of the shapeable portion; said handle portion slidable relative to the

16